

**NRAS Antibody (N-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP7745a**Specification****NRAS Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P01111](#)**NRAS Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 4893

**Other Names**

GTPase NRas, Transforming protein N-Ras, NRAS, HRAS1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7745a](#) was selected from the N-term region of human NRAS. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**NRAS Antibody (N-term) Blocking Peptide - Protein Information**

Name NRAS

Synonyms HRAS1

**NRAS Antibody (N-term) Blocking Peptide - Background**

NRAS is a membrane protein that shuttles between the Golgi apparatus and the plasma membrane. This shuttling is regulated through palmitoylation and depalmitoylation by the ZDHHC9-GOLGA7 complex. This protein, which has intrinsic GTPase activity, is activated to a GTP-bound form by a GTPase activating protein and inactivated to a GDP-bound form by a guanine nucleotide-exchange factor. Defects in the gene encoding this protein are a cause of juvenile myelomonocytic leukemia (JMML).

**NRAS Antibody (N-term) Blocking Peptide - References**

Smalley, K.S., Cancer Res. 68 (14), 5743-5752 (2008)  
Banerji, U., Mol. Cancer Ther. 7 (4), 737-739 (2008)

**Function**

Ras proteins bind GDP/GTP and possess intrinsic GTPase activity.

**Cellular Location**

Cell membrane; Lipid-anchor; Cytoplasmic side. Golgi apparatus membrane; Lipid-anchor Note=Shuttles between the plasma membrane and the Golgi apparatus

**NRAS Antibody (N-term) Blocking Peptide  
- Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)